PLANTERS' BULLETIN

OF THE RUBBER RESEARCH INSTITUTE OF MALAYA

A MEDIUM OF THE R.R.I.M.'S SERVICE TO ESTATES
Articles are of direct practical use to planters.
Publication is on the first of each alternate month, issues being successively numbered.

19 63

COMMONWEALTH MYCOLOGICAL INSTITUTE
11 MAR 1964

RRIM

LOCATION. The institute's laboratories and offices at the third mile, Ampang Road, Kuala Lumpur are open from 8 am to 1 pm and 2 pm to 4 pm on Mondays to Fridays, and from 8 am to 12.30 pm on Saturdays.

EXPERIMENT STATION AND FACTORY. This station of the RRIM is situated 16 miles from Kuala Lumpur, at Sungei Buloh on the Kuala Lumpur — Kepong — Kuala Selangor road. Visits may be made on Mondays or Wednesdays by arrangement. There is a guest house.

CORRESPONDENCE. All LETTERS must be addressed to the Director, Rubber Research Institute of Malaya, Post Office Box 150, Kuala Lumpur. Special enquiries may be marked for the attention of particular officers. The address for TELEGRAMS is Searching, Kuala Lumpur. TELEPHONE: Kuala Lumpur 72051. PARCELS occasionally arrive without any indication of their origin. Senders' names and addresses should be written clearly on the outside of all packages, and advice of despatch should be given by letter or telegram.

PROHIBITED PLANT SPECIMENS. Attention of planters and others in territories outside Malaya and Singapore is drawn to the Malayan Plant Importation Rules which prohibit the importation into Malaya of any part of a plant, whether living or dead, unless it is accompanied by a permit issued by the Director of Agriculture, Federation of Malaya. No permit will be issued in respect of any diseased plant or any plant pest. Any plant imported in contravention of these Rules (whose object is to prevent the introduction of diseases or pests) will be destroyed without examination. Anyone outside Malaya who desires our advice on any matter that may require examination of living material must first enquire by letter.

ADVICE. Enquiries are invited from rubber producers in Malaysia, Brunei and Nigeria who may require more detailed information applicable to their own special problems. Where it is considered necessary, visits will be made to estates in Malaya as convenient. Visits to estates in other territories are by special arrangement. The only visits for which charges are normally made are those of our clone identification inspectors. INTERVIEWS should be arranged by letter, as members of the senior research and advisory staff are frequently absent on visits to plantations.

PUBLICATIONS. Subscription to all or any of our series of publications (*Planters' Bulletin*, *Journal*, *Reports*, and miscellaneous booklets) may be made by depositing $15 with us. An annual statement of account will then be submitted. We are unable to give annual subscription rates or any form of discount, but for multiple subscriptions a lower rate of initial deposit is acceptable. Postage is charged on oversea mailings. A list of 'Publications of the RRIM' is available on request.

PLANTERS' BULLETIN

OF THE RUBBER RESEARCH INSTITUTE OF MALAYA

Kuala Lumpur 1963 Main Contents

Planters' Bulletin 64

	Page
Editorial: Plant Recognition	1
R.R.I.M. Malayan Natural Rubber Survey	3
Identification of Plants on Malayan Rubber Estates: Plates 1–8, Grasses	4
Spiral Bark Damage in Young Rubber	14
Grooving of Immature Trunks — the Testing of an Estate Practice of the Past	16
Notes: Research Archives of the R.R.I.M.	2
Collar Fungicide Against White Root Disease	17
Rhizobium Strains for Distribution	19
Secondary Leaf Fall	19

Planters' Bulletin 65

Editorial: Grading and Marketing of Natural Rubber	21
Identification of Plants on Malayan Rubber Estates: Plates 9–16, Grasses	24
Deep-bed Drying of PA 80	34
Mechanical Scarification of Leguminous Cover Plant Seeds on a Commercial Scale	41
Notes: Revision of Early Numbers of Planters' Bulletin	24
Paper-bag Packing for Rubber	45

Planters' Bulletin 66

Editorial: Fifteen Years of Estate Replanting	49
Planting Recommendations 1963–64	51
RRIM 600 Series Clones	57
Progress in SP Rubbers in 1962	59
Planting Materials Used on Estates in Malaya, 1946–1961	63
Further Observations on Tapping Budded Trees Planted Before 1940	71
Note: Further Note on Grooving of Immature Trunks	75

Planters' Bulletin 67

Editorial: The Advantages of Green Budding	77
Revised Manuring Programme for Young Replantings	79
Low Ammonia Latices	85
Identification of Plants on Malayan Rubber Estates: Plates 17–24, Grasses	88
A Note on *Hevea spruceana*	100
Chemical Division Reports	106

Planters' Bulletin 68 (Planters' Conference Issue)

	Page
Review of the Planters' Conference Proceedings	111
The Range of Cover Plants	117
Cover Plants and Tree Growth, Part I	123
Residual Effects of Type of Ground Cover	130
Advantages of a Clean Legume Cover Crop Policy	139
Methods and Costs of Cultivating Sown Legumes	143
A Realistic Approach to the Use of Legumes	150
Seed Treatment and Early Growth of Legume Covers	155
Establishment of a Mixed Cover of Creeping and Shrubby Legumes	163
Selection, Establishment and Maintenance of Covers in Relation to Replanting	166
Cover Plants and Tree Growth, Part II	172
Covers and Root Disease	177
Pests of Leguminous Covers in Malaya	182
Rhizoctonia and Other Diseases of Cover Plants	187
Cover Plants, Weeds and Weed-Killers	191

Planters' Bulletin 69

Editorial: What Next?	197
Tapping and Yield Stimulation	198
Identification of Plants on Malayan Rubber Estates: Plates 25–32, Grasses	211
Note: *Journal*, Volume 18, Part 1	221
Index 1963	224

©

1963

The Standard Engravers & Art Printers, 63 Campbell Road, Kuala Lumpur, Selangor